

THE TECH

VOL. XXXI. NO. 168

BOSTON, MASS., MONDAY, MAY 13, 1912

PRICE TWO CENTS

RICHARDS TO ADDRESS COURSE III MEN

Last Meeting of Mining Engineering Society in Union Wednesday.

The last meeting of the Mining Engineering Society will be held in the Union at 8 o'clock Wednesday evening, May 15. Professor R. H. Richards, who has been secured as speaker for the evening, has chosen "My Western Trip" as the subject of his address. His remarks will be of general as well as professional interest to the men. Next year's officers, which include a president, vice-president, treasurer, secretary and executive committee of two, are to be elected at the meeting, and the present officers urge the attendance of every member. Refreshments will be served as usual.

Professor Richards is at the head of the Mining Engineering Department, and a few months ago made a trip to the West to visit some of the mining schools. He spent some time at Golden, Colorado, where the Colorado School of Mines, one of the foremost institutions of its kind, is situated. He also visited Denver, the Missouri School of Mines at Rollan, Missouri, and Hancock, Michigan, where a great deal of copper concentrating is done. He found the trip pleasant, and the Course III men will be sure to enjoy his account of it.

Professor Richards graduated from the Institute in 1869, and has had his present title of Professor of Mining Engineering and Metallurgy since 1884. He has been president of the Alumni Association and of the American Institute of Mining Engineers, and is now an honorary member of the latter society and of other professional associations. For several years he has been the Honorary President of the Course III Society here.

FOUNDRY EXCURSION.

Course 2, second year men, will visit the foundries of the Blake and Knowles pump works, Third street, East Cambridge, this week. The men will go in two groups, the first group on Wednesday afternoon, May 15, and the second on Friday afternoon, May 17. To get there take a Subway train at Park street to Kendall square, and meet at the office of the works at 2 P. M. sharp.

USES OF ALUMINUM.

Although only a few years ago aluminum was a comparatively rare and expensive metal, its uses are increasing very rapidly. Since automobiles, dirigibles and aeroplanes have come into practical use, aluminum has been the most satisfactory metal where extreme lightness as well as great strength are essential. In the form of magnesium it is used in the beams of analytical balances and other new alloys are being constantly brought to public attention. The ordnance department of the United States Army recently awarded a contract for sixty thousand or more aluminum canteens and cups. The metal is now being used in various other ways in the light field equipment of the army.

The Freshmen entering the Institute next Fall will have an easier time in their work of registration if the plans of the Christian Association mature.

WILL OF C. H. PRATT GIVES TECH LARGE SUM

Three-Quarters of a Million For School of Naval Architecture and Marine Engineering.

The Institute was once more the recipient of a handsome gift to aid in the construction of the buildings on the new site when the will of the late Charles Herbert Pratt, a prominent Boston lawyer, who died on May 2, was probated, and showed a donation of \$750,000 to Tech for the construction of a naval architectural school. Mr. Pratt, who was not a graduate of this institution, gave the money through his "interest in the welfare of the great technical school."

By the terms of the will Mr. Pratt's estate is placed in the hands of trustees, the income to be added to the principle until the sum of \$750,000 has accumulated, or, in any event, at the end of twenty-one years after the testator's death, when the entire fund is to be turned over to the Institute for the building of the school. The gift is conditional upon the erection of a suitable building by the Institute authorities, the balance of the three-fourths of a million being used for the maintenance of the school of architecture.

The proviso in Mr. Pratt's will makes the money seem a long way off, but the condition is but the caution of the legal mind to fix a maximum limit to the time before founding the school. The probability, however, it is said, is that the fulfillment of the plans will be possible within five years, or even within a shorter time, so that in the building of the New Technology beside the Charles the "Pratt School of Naval Architecture and Marine Engineering," as the institution will be called, according to a request in the will, may be planned for with the rest.

The late Mr. Pratt asked that a bronze plate bearing the inscription, "Presented by Charles Herbert Pratt in loving memory of Eleazer Franklin Pratt, Catherine Blake Pratt and Franklin Stetson Pratt," be placed in the building.

Mr. C. H. Pratt was born in Boston, of old New England stock, and has taken in the course of his life an active interest in the welfare of his State and community, and his career as a lawyer has been a brilliant one. As a member of the Boston Art and Algonquin Clubs, the Boston Athletic Association and the Brae-Burn Country Club, he has been active in the social life of the city. He attended the Chauncey Hall School of Boston, and was later graduated from the Boston University Law School.

The Naval Architecture Department, which has been so magnificently endowed, is one which has met with recognition abroad among the great naval interests, and is in such splendid repute in our own country that by act of Congress every naval constructor who graduates from Annapolis must attend M. I. T. for two or three years of advanced work. The Oriental nations, China and Japan, have given evidence of their appreciation of the excellence of the Institute's naval architecture course through the scores of their representatives that have attended the school.

The "Froude," a boat which was furnished by Dr. Weld for the research work of the department, has been an accepted model for other (Continued on Page 2, Col. 2.)

CHAUNCY HALL CLUB HAS MERRY SMOKER.

Enjoyable Evening Spent By Members With Present Students as Guests.

Saturday night, at the Union, was held one of the most successful smokers of the Tech Chauncey Hall Club. The merriment was begun by a few informal remarks by H. Peck, '13, and from that time until 11 o'clock the members thoroughly enjoyed themselves, and there was not an idle moment in the entire three hours.

Mr. Kurt, principal of Chauncey Hall school, was unable to be present as he was suddenly called away to Maine. He was greatly missed by the members as his witty speeches have been one of the most pleasant features of the former meetings. Mr. Hartman, a teacher at the school and a great favorite among the students, was also unable to appear because of a class reunion. The club had as its guests many of the present members of the school, who added much to the gaiety of the evening, and their quartet, composed of Whiting, '12, Benson, '12, Smith, '12, and Warren, '12, sang very well.

During the evening many toasts were given by the members to their Alma Mater, and stories related by them about the old days at the school. All told of the deep obligation they felt for the excellent training that they had received there. Several vocal solos were rendered by M. N. Braff, '14, and were enjoyed exceedingly. Piano solos were given by A. Barnett, '14, which were greatly appreciated.

The members sang many of the favorite Tech songs, and made the walls of the Union resound till a late hour, finally breaking up after singing "The Stein Song," and voting that H. S. James, '15, and A. S. True, '14, of the committee on arrangements, had provided a most enjoyable smoker.

ACCUMULATOR DEVICE.

Copenhagen Professor Invents Machine—Has Lead Alloy.

Professor Hanover, president of the Polytechnic Academy of Copenhagen, has made a very important invention which is expected to produce a revolution in the electrical accumulator industry. He has devised accumulators which have five times larger electrical capacity than existing accumulators, but are only of the same size and weight. The main point of his invention is to give a porous lead alloy which he has composed, and which he calls pore metal, a larger capacity by perforating the lead sheets with millions of microscopic holes. Professor Hanover's accumulators, which are likely to be more expensive than the present ones, will, it is claimed, be of special importance for flying machines, submarines, boats, and the lighting of railway cars.

PUBLIC LIBRARY STATUES.

The work of constructing the statues in front of the Public Library is almost complete. There will be two of them, both women, sitting in poses and characteristic of their names, Science and Art.

SOPHOMORES WIN FROM FRESHMEN

First Game Marked by Errors of Freshmen and Fielding of Sophs.

Nineteen-Fourteen won the first game of the Sophomore-Freshman baseball series by a score of 9 to 6, at the Field Saturday. The game was poorly played by the Freshmen, several costly and inexcusable errors bringing in runs. In the first inning alone three of the Sophomores' scores were the result of hits made safe by errors, giving them a lead that was never headed. The Sophomores played a fine fielding game, making very few errors and giving good support to Morrison, who pitched a fair game, though he did not exert himself in the slightest degree after the first inning. On account of this fact the Freshmen were able to connect for some pretty hits. Caffery took the opportunity to make a name for himself by making three hits for eight bases, a homer, a triple and a single. The homer was one of the longest hits made at the Field. It sailed a little to the left of centre field and landed first on one of the hurdles in the twenty-yard stretch near the start, rolling from there to almost the tape, giving him and a man on second plenty of time to romp home. As a rival for batting honors for this game the little shortstop had Storke, the Sophomore captain, who took four for himself though not accounting for so many bases.

Hughes, the left fielder and crack hitter of the 1914 team, wrenched his ankle badly in the sixth inning, which necessitated his retiring from the game. Dunn was given his chance at the position, and later he was taken out and Pearly finished the game. In the fourth inning the Freshman manager sent in a new man to take the place of Hall.

The batting order was as follows:
1914. 1915.
Comber, 2b. 2b. Scully
Page, cf. 3b. Franks
Bryant, 3b. 1b. Morse
Storke, c. lf. McDevitt
Hardy, lf. ss. Caffery
Hughes, Dunn, Pearly, rf. c. McIntyre
Tirrell, 1b. rf. Howlett
Gardner ss. c. Hall, Baldwin
Morrison, p. p. Bauer

THE WEATHER.

Showers today and probably tomorrow; increasing southerly winds.

CALENDAR.

In Charge of S. H. Taylor, 1914.

Saturday, May 11.
Monday, May 13.
4.00—Mechanical Engineering Society—11 Eng. B.
Tuesday, May 14.
6.30—Chemical Society Dinner—Copley Square.
Wednesday, May 15.
8.00—Mining Engineering Society—Union.
Thursday, May 16.
3.00—Battalion Inspection—South Armory.
4.15—Cosmopolitan Club—Electoral of Officers—Union.
7.00—THE TECH banquet.
Friday, May 17.
8.00—Prize Drill—South Armory.

THE TECH

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MONDAY, MAY 13, 1912

THE PRATT BEQUEST.

Again the work of the Institute has met with signal recognition in the gift of seven hundred and fifty thousand dollars for the Pratt School of Naval Architecture. The Greene bequest of six hundred thousand, the recent gift of two and a half millions from an anonymous donor, and this last legacy amount to nearly four million dollars given the Institute by men who are not its graduates and have honored Technology with these magnificent gifts not out of sentimental regard, but from realization of the ability of the Institute to return to the industrial world many times the value of the gift.

This recent gift is especially opportune. We are assured that the estate of Mr. Pratt is in such good condition that the income will be soon available. This will enable the Pratt School of Naval Architecture to be established on a sound basis and in unusually complete form, and the plant can be designed to harmonize with the other buildings of the New Technology. Finally the fund will permanently maintain a department that in itself is costly to run and unproductive of spectacular results, and in so doing allow the previously apportioned cost of the naval architecture course to be devoted to other purposes.

In the fitness of this gift we recognize the spirit of the donor. It is an investment for the benefit of modern scientific education, and upon us rests the responsibility of vindicating that trust. Business men who are students of modern conditions are recognizing more and more the place of technical education in the industrial world, and it is to be expected that they will show their faith in such institutions as Technology by the continued foundation of endowed schools.

INTERCOLLEGIATE
SHOOT AT WALTHAM

Williams Makes Total of 49 Out of a Possible 50 at 500 Yards Range.

Saturday afternoon the rifle team held their shoot at Waltham in the intercollegiate rifle match. The team made a total of 772 out of a possible 900. This is below the record of 791, made by Amherst last year, and was made with unfavorable wind conditions.

(Continued on Page 3, Col. 2.)

ANNUAL PRIZE DRILL
ON FRIDAY EVENING

Government Inspection of Freshman Battalion Thursday at Three O'clock.

On Thursday, May 16, members of the Freshman Battalion are to have a chance to show to what extent they have been benefitted by their year's work. At that time the government inspectors are to make their appearance and review the cadets. The principal event will be the Battalion parade, with Major Cole, Cadet Major Taft and the government inspector as reviewing officers. In view of this fact Major Taft has given the men plenty of chance to practice.

On Friday evening, May 17, at 8 o'clock, the annual prize drill will take place. As this is the last time that the Freshman Battalion will assemble, every man will probably exert himself to the utmost. The first part of the evening will be devoted to individual prize drill, in which six men from each company will compete.

A gold and a silver medal are to be awarded to the two best men. Regular company drill follows, and the winners will be given a dinner at the expense of the other companies.

TECHNOLOGY GIFT.
(Continued from Page 1, Col. 2.)

technical schools, and the experiments performed with this boat which floats on the Charles have led the way in many discoveries which have increased the efficiency of water craft.

Professor Cecil H. Peabody, '77, is head of the department, and associated with him are Professor William Hovgaard and Assistant Professor Harold A. Everett.

C. R. McPearson has been elected president of the Penn Fencing Association. The fencing team at the University of Pennsylvania ended with a good showing, although they had only one veteran to start with. A record team is expected for next year.

Stuyler's

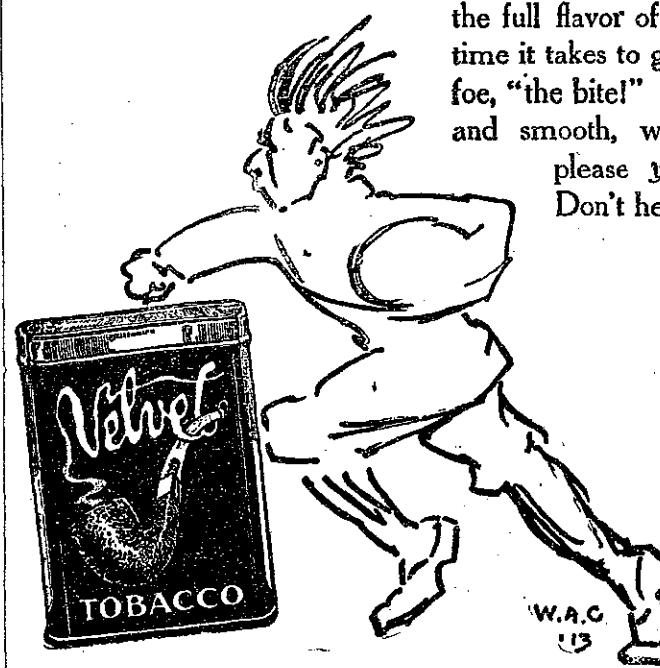
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SCHOOL

SHOOT AT WALTHAM

(Continued from Page 2.)
tions as well. Williams was high man, making a total of 49 out of 50 at 500 yards. He also won the silver medal given by the Rifle Club to the man who makes a total of 70 or over in the first five shots at each range. This is the first time the medal has been won.

The following colleges have entered teams in the match this year: Harvard, Princeton, Pennsylvania, Columbia, Michigan, Nebraska and Massachusetts Agricultural College. Each college holds its shoot and the winner will probably not be known until July, as the shoots can be held any time before the end of June. The Institute is the first one to hold their shoot as the school year is almost over.

The team had expected to make a higher score, but the high wind which prevailed handicapped them to a certain extent. Also the team has not had much practice in match shooting or a chance to develop team work. Coach Williams said after the shoot that in order to compete successfully the team should be equipped with the new Springfield rifle. At present the members of the team have to use the Krags. He says that the cost would not be very much and it would greatly benefit the team. The Tech team was fourth with a score of 677 in the match last year, and Amherst first, with a score of 791. It is probable that the Institute team will come out second this year from the figures given above, although they have a chance for first place if the other teams have equally unfavorable conditions as regards the wind.

The summary:

	200	300	500	Totals
Williams	46	43	49	138
Stewart	43	43	43	129
Rudolf	45	39	46	130
Parsons	40	43	42	125
Haslam	43	45	43	131
Wardwell	37	40	42	119
Totals	254	253	265	772

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PRECISION OF MEASUREMENTS.

At the request of a number of students who failed to hand in problems in Precision of Measurements at the assigned time, a second set of problems has been posted in Room 16, which if solved and handed in on or before Saturday, May 18, will remove the mark of D (deficient) which will otherwise be returned with the record on the term work and final examination.

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